

AN ELECTRIC CIRCUIT TEST DEVICE

ABSTRACT OF THE INVENTION

The present invention is directed to an electric circuit test device for testing an electric circuit. The test device is insertable into a receptacle. The receptacle includes electrical terminals coupled to the electrical circuit. The device includes a housing characterized by a longitudinal axis. A plug blade assembly is disposed within the housing and configured to mate with the electrical terminals. Electrical continuity is established between the plug blade assembly and the electric circuit. A fault detection circuit is coupled to the plug blade assembly and disposed within the housing. The fault detection circuit is configured to detect a circuit status condition in the electrical circuit. A circuit status indicator assembly is coupled to the fault detection circuit and disposed normal thereto. The circuit status indicator assembly includes semiconductor light indicators that are connected substantially normal to the circuit status indicator assembly. The semiconductor light indicators are configured to emit a code corresponding to the circuit status condition in a direction normal to the longitudinal axis, with a viewing angle less than approximately 30°.